

ABSTRACT

5 A two-stage screw compressor has two compressor stages whose rotor housings are arranged with their axes parallel to one another and are enclosed by a common coolant housing at a distance. A coolant inlet and a coolant outlet are located at the common coolant housing, as well as guide walls such that the coolant flowing through the coolant housing flows around and cools the rotor housings of the two compressor stages one after the other in an S-shaped flow path.